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U-Th ages obtained by mass spectrometry in corals from Barbados: sea level during the past 130, 000 years (*with* Hamelin, B, Fairbanks, R G) *Letter to Nature*, **346**, 456

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Bonis, L de. New hominid skull material from the late Miocene of Macedonia in Northern Greece (*with* Bouvrain, G, Geraads, D, Koufos, G) *Letter to Nature*, **345**, 712

Bonne-Andrea, C. *In vitro* replication through nucleosomes without histone displacement (*with* Wong, M L, Alberts, B M) *Article*, **343**, 719

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Brautigan, D L. Cell cycle oscillation of phosphatase inhibitor-2 in rat fibroblasts coincident with p34^{cdc2} restriction (*with* Sunwoo, J, Labbé, J-C, Fernandez, A, Lamb, N J C) *Letter to Nature*, **344**, 74

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Griffin, G. NF-κ and HIV: Reply (*with* Leung, K, Folks, T M, Kunkel, S, Nabel, G J) *Scientific correspondence*, **343**, 219

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Grigorescu, D. Dinosaur eggs from Romania (*with* Seclamen, M, Norman, D B, Weishampel, D B) *Scientific correspondence*, **346**, 417

Grimalt, J O. Ascending and descending fluxes of limpid compounds in North Atlantic and North Pacific abyssal waters (*with* Simoneit, B R T, Gómez-Belinchón, J I, Fischer, K, Dymond, J) *Letter to Nature*, **345**, 147

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Grünbaum, A. Pseudo-creation of the Big Bang. *Scientific correspondence*, **344**, 821

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Gubbay, J. A gene mapping to the sex-determining re[illegible] of the mouse Y chromosome is a member of a novel family of embryonically expressed genes (*with* Collignon, J, Koopman, P, Capel, B, Economou, A, Münsterberg, A, Vivian, N, Goodfellow, P, Lovell-Badge, R) *Article*, **346**, 245

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Gunion, J F. The Higgs hunter's guide: Frontiers in physics. *Book review by* Ellis, J. **348**, 359

Gunn, J M. Biological recovery of an acid lake after reductions in industrial emissions of sulphur (*with* Keller, W) *Letter to Nature*, **345**, 431

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Gurzadyan, V. Hunger strike. *Correspondence*, **347**, 610

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Haber, H E. The Higgs hunter's guide: Frontiers in physics, *Book review by* Ellis, J. **348**, 359

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Hammond, A L. Accountability in the greenhouse (*with* Rodenburg, E, Moomaw, W) *Commentary*, **347**, 705

Hammond, C B. Editor, Menopause: Evaluation, treatment and health concerns, *Book review by* Bancroft, J. **344**, 500

Hamzic, A. Non-activated magnetic relaxation in a high-T_c superconductor (*with* Fruchter, L, Campbell, I A) *Letter to Nature*, **345**, 515

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Hanke, D E. Plant breeding: Seeding the bamboo revolution, *News and views*, **344**, 291

Hannum, C H. Interleukin-1 receptor antagonist activity of a human interleukin-1 inhibitor (*with* Wilcox, C J, Arend, W P, Joslin, F G, Dripps, D J, Heimdal, P L, Armes, L G, Sommer, A, Eisenberg, S P, Thompson, R C) *Article*, **343**, 336
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Hardin, P E. Feedback of the *Drosophila* period gene product on circadian cycling of its messenger RNA levels (*with* Hall, J C, Rosbash, M) *Article*, **343**, 536

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Book review of Terrestrial invasion. An ecophysiological approach to the origins of land animals (*by* Little, C.) **346**, 424

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Moss, I. Quantum gravity: A SQUID's loss of coherence, *News and views*, **343**, 515

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Neidhart, F C. Physiology of the bacterial cell: A molecular approach, *Book review by* Macnab, R M. **348**, 401

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Pannetier, J. Prediction of crystal structures from crystal chemistry rules by simulated annealing (*with* Bassas-Alsina, J, Rodriguez-Carvajal, J, Caignaert, V) *Letter to Nature*, **346**, 343

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Perret, V. Relaxation of a transfer RNA specificity by removal of modified nucleotides (*with* Garcia, A, Grosjean, H, Ebel, J-P, Florentz, C, Giegé) *Letter to Nature*, **344**, 787

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Perrouault, L. Sequence-specific artificial photo-induced endonucleases based on triple helix-forming oligonucleotides (*with* Asseline, U, Rivalle, C, Thuong, N T, Bisagni, E, Giovannangeli, C, Le Doan, T, Hélène, C) *Letter to Nature*, **344**, 358

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A POU-domain transcription factor in early stem cells and germ cells of the mammalian embryo, *Article*, (Rosner, M H, Vigano, M A, Ozato, K, Timmons, P M, Poirier, F, Rigby, P W J and Staudt, L M) **345**, 686

A gene from the human sex-determining region encodes a protein with homology to a conserved DNA-binding motif, *Article*, (Sinclair, A H, Berta, P, Palmer, M S, Hawkins, J R, Griffiths, B L, Smith, M J, Foster, J W, Frischauf, A-M, Lovell-Badge, R and Goodfellow, P N) **346**, 240

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DNA viruses. Polymerase gene products of hepatitis B viruses are required for genomic RNA packaging as well as for reverse transcription, *Letter to Nature*, (Hirsch, R C, Lavine, J E, Chang, L-J, Varmus, H E and Ganem, D) **344**, 552

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Human dopamine D_1 receptor encoded by an intronless gene on chromosome 5, *Letter to Nature*, (Sunahara, R K, Niznik, H B, Weiner, D M, Stormann, T M, Brann, M R, Kennedy, J L, Gelernter, J E, Rozmahel, R, Yang, Y, Israel, Y, Seeman, P and O'Dowd, B F) **347**, 80

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Several alleles of the multidrug-resistance gene are closely linked to chloroquine resistance in *Plasmodium falciparum*, *Letter to Nature*, (Foote, S J, Kyle, D E, Martin, R K, Oduola, A M J, Forsyth, K, Kemp, D J and Cowman, A F) **345**, 255

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A cluster of cystic fibrosis mutations in the first nucleotide-binding fold of cystic fibrosis conductance regulator protein, *Letter to Nature*, (Cutting, G R, Kasch, L M, Rosenstein, B J, Zielenski, J, Tsui, L-C, Antonarakis, S E and Kazazian, H H) **346**, 366

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H and De Camilli, P) **347**, 151

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HIV-1 protease. Inhibition of HIV-1 protease in infected T-lymphocytes by synthetic peptide analogues. *Letter to Nature*, (Meek, T D, Lambert, D M, Dreyer, G B, Carr, T J, Tomaszek Jr, T A, Moore, M L, Strickler, J E, Debouck, C, Hyland, L J, Matthews, T J, Metcalf, B W and Petteway, S R) **343**, 90
HIV-1 tropism. HIV-1 tropism for mononuclear phagocytes can be determined by regions of gp120 outside the CD4-binding domain. *Letter to Nature*, (O'Brien, W A, Koyanagi, Y, Namazie, A, Zhao, J-Q, Diagne, A, Idler, K, Zack, J A and Chen, I S Y) **348**, 69
HIV immunization. Induction of $CD8^+$ cytoxic T cells by immunization with purified HIV-1 envelope protein in ISCOMs. *Letter to Nature*, (Takahashi, H, Takeshita, T, Morein, B, Putney, S, Germain, R N and Berzofsky, J A) **344**, 873
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HIV replication. Inhibition of HIV replication by pokeweed antiviral protein targeted to $CD4^+$ cells by monoclonal antibodies. *Letter to Nature*, (Zarling, J M, Moran, P A, Haffar, O, Sias, J, Richman, D, Spina, C A, Myers, D E, Kuebelbeck, V, Ledbetter, J A and Uckun, F M) **347**, 92
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HIV susceptibility. HIV susceptibility conferred to human fibroblasts by cytomegalovirus-induced Fc receptor. *Letter to Nature*, (McKeating, J A, Griffiths, P D and Weiss, R A) **343**, 659
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Human cytomegalovirus. Human cytomegalovirus encodes three G protein-coupled receptor homologues. *Letter to Nature*, (Chee, M S, Satchwell, S C, Preddie, E, Weston, K M and Barrell, B G) **344**, 774
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Macrophage inflammatory protein. Growth factors: Growth without inflation, *News and views*, (Dexter, T M and White, H) **344**, 380

Macrophage inflammatory proteins. Identification and characterization of an inhibitor of haemopoietic stem cell proliferation, *Letter to Nature*, (Graham, G J, Wright, E G, Hewick, R, Wolpe, S D, Wilkie, N M, Donaldson, D, Lorimore, S and Pragnell, I B) **344**, 442

Macrophage scavenger receptor. Type I macrophage scavenger receptor contains α-helical and collagen-like coiled coils, *Article*, (Kodama, T, Freeman, M, Rohrer, L, Zabrecky, J, Matsudaira, P and Krieger, M) **343**, 531

Coiled-coil fibrous domains mediate ligand binding by macrophage scavenger receptor type II, *Letter to Nature*, (Rohrer, L, Freeman, M, Kodama, T, Penman, M and Krieger, M) **343**, 570

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Macrophages. Activation *in vitro* of NF- B by phosphorylation of its inhibitor I B, *Letter to Nature*, (Ghosh, S and Baltimore, D) **344**, 678

Transfer of diabetes in mice prevented by blockade of adhesion-promoting receptor on macrophages, *Letter to Nature*, (Hutchings, P, Rosen, H, O'Reilly, L, Simpson, E, Gordon, S and Cooke, A) **348**, 639

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Magma geochemistry. Regional Al-Fe mafic magmas associated with anorthosite-bearing terranes, *Letter to Nature*, (Olson, K E and Morse, S A) **344**, 760

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Magnetospheric physics. Martian electron spectra explained, *Scientific correspondence*, (Bryant, D A, Hall, D S, Bingham, R and Shutte, N M) **347**, 236

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Biomineralization of ferrimagnetic greigite (Fe_3S_4) and iron pyrite (FeS_2) in a magnetotactic bacterium, *Letter to Nature*, (Mann, S, Sparks, N H C, Frankel, R B, Bazylinski, D A and Jannasch, H W) **343**, 258

Magnolia. Chloroplast DNA sequence from a Miocene *Magnolia* species, *Letter to Nature*, (Golenberg, E M, Giannasi, D E, Clegg, M T, Smiley, C J, Durbin, M, Henderson, D and Zurawski, G) **344**, 656

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Malaria. Chloroquine resistance not linked to *mdr*-like genes in a *Plasmodium falciparum* cross, *Letter to Nature*, (Wellems, T E, Panton, L J, Gluzman, I Y, do Rosario, V E, Gwadz, R W, Walker-Jonah, A and Krogstad, D J) **345**, 253

Several alleles of the multidrug-resistance gene are closely linked to chloroquine resistance in *Plasmodium falciparum*, *Letter to Nature*, (Foote, S J, Kyle, D E, Martin, R K, Oduola, A M J, Forsyth, K, Kemp, D J and Cowman, A F) **345**, 255

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Ryanodine receptor gene is a candidate for predisposition to malignant hyperthermia, *Letter to Nature*, (MacLennan, D H, Duff, C, Zorzato, F, Fujii, J, Phillips, M, Korneluk, R G, Frodis, W, Britt, B A and Worton, R G) **343**, 559

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Mammalian sex ratios. Mammalian sex ratios and variation in costs of rearing sons and daughters, *Letter to Nature*, (Gomendio, M, Clutton-Brock, T H, Albon, S D, Guinness, F E and Simpson, M J) **343**, 261

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A gene mapping to the sex-determining region of the mouse Y chromosome is a member of a novel family of embryonically expressed genes, *Article*, (Gubbay, J, Collignon, J, Koopman, P, Capel, B, Economou, A, Münsterberg, A, Vivian, N, Goodfellow, P and Lovell-Badge, R) **346**, 245

Additional deletion in sex-determining region of human Y chromosome resolves paradox of X, t(Y;22) female, *Letter to Nature*, (Page, D C, Fisher, E M C, McGillivray, B and Brown, L G) **346**, 279

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Soil bacteria. *Bacillus subtilis* expressing a haemolysin gene from *Listeria monocytogenes* can grow in mammalian cells. *Letter to Nature*, (Bielecki, J, Youngman, P, Connelly, P and Portnoy, D A) **345**, 175

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T-cell leukaemia. Circulating $CD8_+$ cytotoxic T lymphocytes specific for HTLV-I pX in patients with HTLV-I associated neurological disease, *Letter to Nature*, (Jacobson, S, Shida, H, McFarlin, D E, Fauci, A S and Koenig, S) **348**, 245

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A binding site for the T-cell co-receptor CD8 on the α_3 domain of HLA-A2, *Article*, (Salter, R D, Benjamin, R J, Wesley, P K, Buxton, S E, Garrett, T P J, Clayberger, C, Krensky, A M, Norment, A M, Littman, D R and Parham, P) **345**, 41

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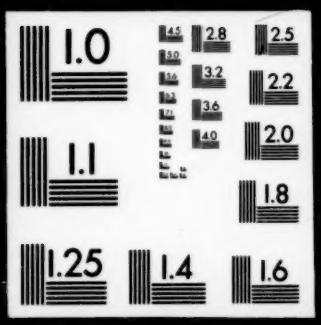
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